CONTENTS OF VOLUME 13

NUMBER 1

1 Near- and Far-Field Approximation for Analyzing Flame Heating and Welding **Amiram Moshaiov and Haoshi Song**

21 Cesàro Means and Autocorrelations in Dynamic Thermoelasticity **S. Chiriţă**

43 Transient Thermal Stresses in an Infinite Plate with a Hole Due to Rotating Heat Source **Takahito Goshima and Kaju Miyao**

57 Optimal Design of Antisymmetric Hybrid Laminates against Thermal Buckling **S. Adali and K. J. Duffy**

73 Soliton-Like Solutions in a Nonlinear Dynamic Coupled Thermoelasticity **Józef Ignaczak**

99 Spectral Methods for Nonlinear, Coupled, Thermoelastic Rapidly Heated Rod **Tomasz Jękot**

129 Publications on Thermal Stresses

NUMBER 2

131 Transient Thermal Stresses Due to Periodically Moving Line Heat Source of Composite Hollow Cylinder **L. S. Chen and H. S. Chu**

151 Steady Thermal Stress Analysis in Two-Dimensional Problems by Thermoelastic Displacement Potential and Boundary-Element Method **Y. Ochiai, R. Ishida, and T. Sekiya**

161 Eigenvalue Approach to Coupled Thermoelasticity **H. S. Saxena and R. S. Dhaliwal**

177 Transient Thermal Stress Analysis and Bending Behavior of an Angle-Ply Laminated Slab **Y. Ootao, Y. Tanigawa, and H. Murakami**

193 Transient Thermal Stress and Deformation of a Laminated Composite Beam Due to Partially Distributed Heat Supply **Y. Ootao, Y. Tanigawa, and H. Murakami**

207 Some Theorems in Nonlocal Thermoelasticity **Burhanettin S. Altan**

223 Publications on Thermal Stresses

NUMBER 3

225 Potential Theory for Quasi-Static Problems of Uncoupled Thermoelasticity **F. G. Maksudov and J. M. Mamedov**

237 Three-Dimensional Analysis of Thermal Effects on Surface Crack Propagation in Rolling Contact **T. Goshima, M. T. Hanson, and L. M. Keer**

263 Stresses in an Ablating Cylinder **Dan Givoli**

281 One-Dimensional Green's Function in Temperature-Rate Dependent Thermoelasticity **Józef Ignaczak and Elżbieta Mrówka-Matejewska**

297 Finite Deflections of Loosely Clamped Symmetrically Laminated Rectangular Plates Subjected to Temperature Fields **K. S. Sivakumaran**

315 Thermal Buckling Analysis of Isotropic and Composite Plates with a Hole **Jeng-Shian Chang and Feng-Jen Shiao**

333 Errata

335 Publications on Thermal Stresses

339 Announcement

NUMBER 4

341 Preface
342 Acknowledgments

343 **Alphabetical Listing**

460 **Geometry**
- Conical **460**
- Cylindrical **463**
- Elliptic **480**
- Hyperbolic **480**
- Parabolic **480**
- Spherical **481**
- Shallow **488**
- Toroidal **491**
- Thick **492**
- Oval **493**
- Thin **494**

508 Mechanical Behavior
Buckling **508**
Composite **514**
Creep **517**
Plastic **520**
Ratcheting **526**
Shock **527**
Vibrations **529**

532 Appendix
Author Index **532**
List of Journals **541**

543 Publications on Thermal Stresses

Following Page 545:
Title Page to Volume 13
Contents of Volume 13
Author Index to Volume 13
Title Index to Volume 13